

# MILAN KACAR

## Software & Survey Engineer

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## ABOUT ME

I am a Software Engineer & Survey Engineer with 5+ years of professional experience. I graduated Geodesy at Graz University of Technology in Austria, where I worked as a project and teaching assistant. Currently I am working for niceshops GmbH as a Data Scientist and Data Engineer. I am also enrolled in two Master's degree programs: Geodesy & Computer Science at the same university. I grew up in Mrkonjic Grad (Republic of Srpska, BA) where I finished my high school.

## PERSONAL INFORMATION

👤 Date of birth	01.09.1995
📍 Birthplace	Banja Luka, BA
🚩 Citizenship	Austrian
❤️ Marital status	Single
♂️ Sex	Male

## EDUCATION

### GYMNASIUM

📅 2010 - 2014    📍 Mrkonjic Grad, BA

### BSc Geomatics Engineering

University of Technology, TU Graz

📅 2015 - 2019    📍 Graz, Austria

### Master's Degree Programme - Geodesy

University of Technology, TU Graz

📅 2019-Present    📍 Graz, Austria

### Master's Degree Programme - Computer Science

University of Technology, TU Graz

📅 2020-Present    📍 Graz, Austria

## UNIVERSITY & PERSONAL PROJECTS

- SCIENTIFIC PAPER MINER - Based on the publishing institutions we define our market competitors and geocode their locations. [Python/WebScaper]
- POLLEN TREE DETECTOR (FROM SATELLITE IMAGES) - This project presents an automated tree detecting and identification method based on image processing of satellite imagery. [Python/keras/pytorch]
- STOCK PRICES PREDICTOR - Project uses AI (Artificial intelligence) and ML (Machine learning) as a hybrid approach to detect prices fluctuation (SP 500, Dow Jones, DAX etc.) [Python/keras/pytorch]
- RUSHB APP - New method to summon a waiter and order food in bars and restaurants. As a test page you can look at <http://www.dolcevita.rushb.app/client.php>. [JavaScript/PHP/Java]
- DIFFERENT SIGNAL PROCESSING PROJECTS - Mostly projects on GNSS signals. [C++]
- GRAVITY ANOMALY MAPS - GRACE misson. [Python/MATLAB]
- KALMAN FILTER · ADVANCED KALMAN FILTER · PARTICLE FILTER - as a part of indoor navigation. [C++]
- DIFFERENT ARDUINO PROJECTS - Mostly projects from youtube tutorials and combination of different projects. [C/Java/C++]

## TECHNICAL STRENGTH

Python	●●●●●
Google Cloud	●●●●●
C/C++	●●●●●
GIS	●●●●●
PostgreSQL	●●●●●
Cloud computing	●●●●●
Navigation	●●●●●
GNSS	●●●●●
Signal Processing	●●●●●
Java	●●●●●
Data Structures & Algorithms	●●●●●
MySQL	●●●●●
Docker	●●●●●
Java Script	●●●●●
PHP	●●●●●
Linux	●●●●●
R	●●●●●
Apache Spark	●●●●●
Scala	●●●●●

